Warning: Refer to current foreign charts and flight information publications for information within foreign airspace

UNITED STATES GOVERNMENT
FLIGHT INFORMATION PUBLICATION

IFR ENROUTE LOW ALTITUDE - U.S.

For use up to but not including 18,000' MSL

EFFECTIVE 0901Z **23 SEP 2010**
TO 0901Z **18 NOV 2010**

Consult NOTAMs for latest information

Published by the
U.S. Department of Transportation
Federal Aviation Administration
Aeronautical Information Services
http://AIRONAV.FAA.GOV

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Frequently asked questions (FAQ) are answered on our web site or http://AIRONAV.FAA.GOV.
See the FAQs prior to contact via toll free number or email.

ATTENTION

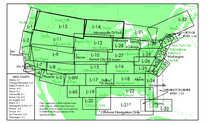
THIS CHART CONTAINING OFF ROUTE OBSTRUCTION CLEARANCE ALTITUDES (OROCA).
The off route obstruction clearance altitudes shown in quadrangles bounded by tinted lines of latitude and longitude provide obstruction clearance with a 1000 foot buffer in designated mountainous areas and a 2000 foot buffer elsewhere. This altitude is based on information available concerning the highest known features in each quadrangle, including terrain and obstructions. OROCA provides obstruction clearance with a 1000 foot buffer in designated mountainous areas and a 2000 foot buffer elsewhere. It does not provide adequate signal reception. For areas in Alaska and the Caribbean which are located outside of the U.S. ADC, OROCA provides obstruction clearance with a 2000 foot buffer. This altitude is provided for obstruction clearance only. It does not consider navigation aid performance or communication coverage, and would not be consistent with altitudes assigned by Air Traffic Control.

Example: 12,500 feet

12⁵

L-13
23 SEP 2010
UNITED STATES

Federal Aviation Administration



PUBLISHED IN ACCORDANCE WITH INTERAGENCY AIR CARTOGRAPHIC COMMITTEE SPECIFICATIONS AND AGREEMENTS, APPROVED BY DEPARTMENT OF DEFENSE • FEDERAL AVIATION ADMINISTRATION

FAA Product ID: ELUS13
NSN 7641014109659
ENR00USLOHT13

DTL DATE 10266

Overlaps CANADA & NORTH ATLANTIC Chart (L-12)
Overlaps Chart (L-11)
Overlaps Chart (L-15)

L-13 PANELS ARCIDE 1"=18 NMI

L-14 PANELS ARCIDE 1"=18 NMI

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HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983

L E G E N D

AIRCRAFT

Facilities in Bold or GREEN have an associated frequency published in the Communications Section. Facilities in Bold or BLUE have a Standard Instrument Approach Procedure published in Item 4 of the Flight Attitude Set FLIP. Facilities in BROWN do not have a published Instrument Approach Procedure or Departure Procedure.

- A solid line from the symbol to the airport indicates that the Navigational Facility is located on the airport.
- A dashed line from the symbol to the airport indicates that the Navigational Facility is offset from the airport more than 3 NM. The distance and direction is shown.
- Facilities not in boldface (See NOTAMs). See Airport/Facility Directory for details concerning hours of service, use restrictions or ownership.
- Compass rose(s) Bright or Dim as the lighting system used for that airport.
- Rotating Beacon
- Lighting symbols
- Obstruction Lighting
- Airport Traffic Service (ATS) Facility
- Non-Directional Beacon (NDB) Facility
- Automatic Weather Observing Service (AWOS) Facility

LAND
- Civil
- Civil-Military
- Military
- Heliport
- Civil

WATER
- Seaplane Base

NAVAIDS and COMMUNICATION BOXES

NAVAIDS

VOR-DME Data is depicted in BLACK (if not Yakima is depicted in BROWN)

COMPASS ROSE Oriented to Magnetic North. Shown only when necessary to avoid confusion with adjacent information.

VOR, VOR-DME, VOR-TAC, TACAN, HOMING

VOR Non-directional Radio Beacon

VOR Non-directional Radio Beacon DME

Compass Locator Beacon

Flight Service Station (FSS). Remote Communications Outlet (RCO). Voice Messages on VHF/DF (VOR/DF) and NDB/DF (NDB/DF) not associated with a navaid identifier.

All Weather Flight Service (AWFSS) Broadcasts

NAVAID Box

NAME
122.6 VOR 116.9 D
DBY 317 SLC 307°

VOR with TACAN compatible DME

Name of facility. Frequency. Class of facility. Channel. Identifier. Slant range distance values are not considered.

Co-located Industry Business data

FL Frequency in useable range of 12,000' AGL-FL60

Range in NM based on 75° mode to receive distance information.

NAME
122.6 D 40-1000 D
SALT LAKE ARTCC

Name of facility. Frequency. Class of facility. Channel. Identifier. Slant range distance values are not considered.

Co-located Industry Business data

FL Frequency in useable range of 12,000' AGL-FL60

Range in NM based on 75° mode to receive distance information.

Automated Weather Broadcast Systems

ASOS/AWOS ATIS VOICE

Automated weather, when available is broadcast over the voice portion of the VOR.

NAME ASOS 389.5 Short Wave Broadcast Radio Frequency

Aeronautical Advisory Station (UNICOM)

NAME ASOS 389.5
Aeronautical Advisory Station (UNICOM)
122.8 R 122.95 T

Duplex NAVAID has multiple NAVAID functions. Frequency. Class of facility. Channel. Identifier.

NAME
122.8 R 122.95 T
UNICOM

Duplex NAVAID has multiple NAVAID functions. Frequency. Class of facility. Channel. Identifier. Voice Call.

NAME
122.8 R 122.95 T
UNICOM

Duplex NAVAID has multiple NAVAID functions. Frequency. Class of facility. Channel. Identifier. Voice Call. Hours of operation.

NAME
122.8 R 122.95 T
UNICOM
0800-1700

Duplex NAVAID has multiple NAVAID functions. Frequency. Class of facility. Channel. Identifier. Voice Call. Hours of operation. Remote Communications Outlet.

NAME
122.8 R 122.95 T
UNICOM
0800-1700
RCO 122.1

Duplex NAVAID has multiple NAVAID functions. Frequency. Class of facility. Channel. Identifier. Voice Call. Hours of operation. Remote Communications Outlet. Voice Messages on VHF/DF (VOR/DF) and NDB/DF (NDB/DF) not associated with a navaid identifier.

NAME
122.8 R 122.95 T
UNICOM
0800-1700
RCO 122.1
FSS 122.2

FSS name and identifier not associated with a navaid identifier.

Control Zone

Control Zone name and identifier not associated with a navaid identifier.

Control Zone

Control Zone name and identifier not associated with a navaid identifier. Control Zone operates part time.

SHADOW ZONE Indicates Flight Service Station (FSS). Frequencies 122.2, 255.4 and 396.8 are not available.

SHADOW ZONE Indicates Flight Service Station (FSS). Frequencies 122.2, 255.4 and 396.8 are not available. Hours of operation. All other frequencies are shown. Remote Communications Outlet.

SHADOW ZONE Indicates Flight Service Station (FSS). Frequencies 122.2, 255.4 and 396.8 are not available. Hours of operation. Remote Communications Outlet.

Aeronautical Chart with additional navigation facilities

AIR TRAFFIC SERVICES AND AIRSPACE INFORMATION

ROUTES

VOR Data is depicted in BLACK (if not Yakima is depicted in BROWN)

Intersection Name

Compulsory Reporting Point

Unnamed Intersection

Mileage breaks

Off Airway Route

Off Airway Route with Mileage

Off Airway Route with Mileage and Minimum Altitude

Off Airway Route with Minimum Altitude

Off Airway Route with Minimum Altitude and Mileage

Off Airway Route with Minimum Altitude and Mileage Breaks

Off Airway Route with Minimum Altitude and Mileage Breaks and Minimum Crossing Altitude

Off Airway Route with Minimum Crossing Altitude

Unusable Route

Preferred Route

Direction of Flight

Inactive Airway or Route

Published Inbound Track

Published Outbound Track

Off Airway Intersection

Off Airway Intersection with Minimum Crossing Altitude

Additional Mileage between Fixes/NAVAIDS and/or Changeover Points (COPs)

Changeover Point

Non-Compulsory Reporting Point

Minimum Obstruction Clearance Altitude (MOCA)

Minimum Reception Altitude (MRA)

MAA-00000 Maximum Authorized Altitude (MAA)

MEA, MOCA and MRA Change at Intermediate Fix (IF)

MEA, MOCA and MRA Change at Intermediate Fix (IF) and Minimum Crossing Altitude

Holding Pattern with name, restricted altitudes, inbound course, leg length in DME miles, direction of turn. Fix applies to all altitudes.

BOUNDARIES

Air Route Traffic Control Center (ARTCC)

ARTCC Name

ARTCC Boundary

Terminal Radar Service Area (TRSA)

Class B Airspace

Class C Airspace

Class D Airspace

Class E Airspace

Class G Airspace

Area of Ultralight Activity See Area Charts for complete data

Offshore Class E

International Date Line

AIRSPACE RESTRICTIONS

Class area (airspace) extends upward from but does not include the floor

Class area (airspace) includes the floor

Bracketed area (Airspace) indicates vertical limits of Class area (airspace)

Restricted Area

Prohibited Area

Warning Area

Alert Area

Military Operations Area (MOA)

Controlled Firing Area

Aerial Refueling Track

Aerial Refueling Track Name

Aerial Refueling Track Direction

Aerial Refueling Track Altitude

Aerial Refueling Track Time

Aerial Refueling Track Remarks

Aerial Refueling Track Name, Direction, Altitude, Time,